MCUSH TINY CONTROLLER

Mini USB

LED0 - Blue
LED2 - Red

MCUSH CONTROLLER

PA.0 PA.1
PA.2 PA.3
PA.4 PA.5

D0 D1
D2 D3
D4 D5
3.3V G
5V G

STM32F103C

https://github.com/pengshulin/mcush

LED1 - Blue
LED3 - Red

D0	D1
D2	D3
D4	D5
3.3V	GND
5V	GND

Alternative functions

	I²C	SPI	PWM	ADC
D0	SDA	MISO	PWM0	AIN0
D1	SCL	MOSI	PWM1	AIN1
D2	D2	CLK	PWM2	AIN2
D3	D3	CS	PWM3	AIN3

* D0 pin is 4.7k pulled-up
* 3.3V output is 200mA fused
* 5V output is 500mA fused

Project homepage：
    https://github.com/pengshulin/mcush
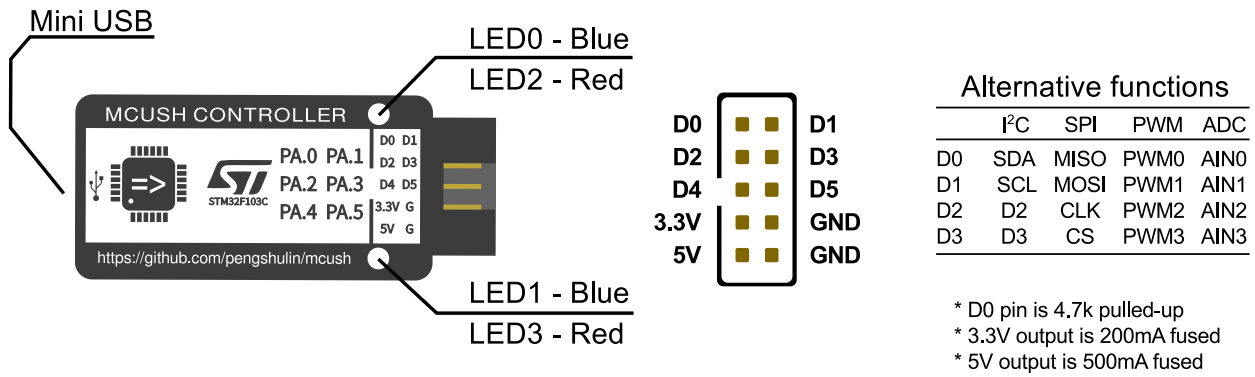
Windows VCP(Virtual Comm Port) driver：
    https://github.com/pengshulin/mcush/tree/master/vcp_drivers

Demo videos：
    https://github.com/pengshulin/mcush/tree/master/demo_video/

Schematic:
    https://github.com/pengshulin/mcush/blob/master/hardware_tiny/tiny.pdf
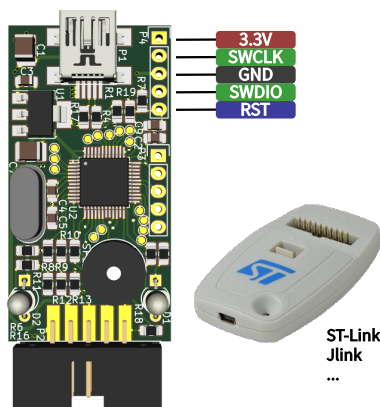
Latest firmware：
    https://github.com/pengshulin/mcush/tree/master/hardware_tiny/build

Install python library:
    pip install mcush

Upgrade using JTAG

3.3V
SWCLK
GND
SWDIO
RST

ST-Link
Jlink
...

Upgrade using Bootloader

BOOT0
3.3V
3.3V
PC_TXD
PC_RXD
GND

USB/UART
Converter